

Table S5.

	Occurrence - Uninformative		Occurrence - Informative		Range - Uninformative		Range - Informative	
	Post. median	95% C.I.	Post. median	95% C.I.	Post. median	95% C.I.	Post. median	95% C.I.
Bio1 - Mean annual T	19.8	16.9 – 22.2	19.9	17.2 – 22.5	19.9	17.1 – 23.4	20.2	17.3 – 23.3
Bio2 - Mean diurnal range of T	11.8	11.1 – 12.4	11.8	11.1 – 12.4	12	11.4 – 12.6	12	11.4 – 12.6
Bio3 - Isothermality	58.1	53.7 – 61.8	58.2	54 – 62.1	58.2	53.5 – 64.4	58.6	53.6 – 64.2
Bio4 - T seasonality	376	284 – 492	375	275 – 480	390	233 – 510	378	236 – 503
Bio5 - Max T of warmest month	30.7	29 – 32.4	30.8	29.1 – 32.5	31.1	29.4 – 32.8	31.2	29.4 – 32.8
Bio6 - Min T of coldest month	8.5	4.4 – 11.8	8.7	4.7 – 12.3	8.4	4.1 – 13.7	8.7	4.4 – 13.7
Bio7 - Mean annual range of T	22.2	19.8 – 25.1	22.2	19.5 – 24.8	22.8	18.6 – 26.1	22.5	18.7 – 25.8
Bio8 - Mean T of wettest quarter	20	18.2 – 21.8	20	18.1 – 21.8	20.2	18.3 – 22.6	20.3	18.3 – 22.5
Bio9 - Mean T of driest quarter	20.2	16 – 23.5	20.4	16.6 – 23.9	20.1	16.1 – 25	20.4	16.4 – 25
Bio10 - Mean T of warmest quarter	24.4	22.8 – 25.9	24.4	22.8 – 26	24.6	23 – 26.4	24.7	23.1 – 26.4
Bio11 - Mean T of coldest quarter	15.2	11.1 – 18.5	15.4	11.3 – 18.9	15.2	10.9 – 20.4	15.6	11.3 – 20.3
Bio12 - Mean annual precipitation	1199	1064 – 1306	1194	1066 – 1307	1252	1075 – 1477	1263	1090 – 1476
Bio13 - Precipitation of wettest month	206	184 – 227	205	181 – 226	211	181 – 249	213	182 – 248
Bio14 - Precipitation of driest month	28	21 – 35	28	21 – 35	31	23 – 40	32	23 – 41
Bio15 - Precipitation seasonality	70.8	63.9 – 77	70.6	63.6 – 77.5	67.5	60.6 – 75.8	67.3	59.6 – 75.4
Bio16 - Precipitation of wettest quarter	552	493 – 605	549	490 – 602	571	491 – 665	574	493 – 663
Bio17 - Precipitation of driest quarter	99	77 – 122	99	77 – 122	111	84 – 141	114	83 – 145
Bio18 - Precipitation of warmest quarter	300	257 – 338	299	257 – 337	320	268 – 380	325	273 – 382
Bio19 - Precipitation of coldest quarter	260	214 – 304	259	217 – 300	248	184 – 314	249	182 – 316
MODIS LAI	1.51	1.28 – 1.72	1.51	1.29 – 1.71	1.73	1.44 – 2.06	1.74	1.45 – 2.07
MODIS FPAR	0.62	0.54 – 0.69	0.61	0.54 – 0.69	0.65	0.56 – 0.76	0.65	0.56 – 0.75
Simard Vegetation height	9.2	7.3 – 11.1	9.2	7.4 – 11.1	10.1	8 – 12.4	10.1	8 – 12.4

Summary statistics for environmental variables under various assumptions for the late Eocene locality Medicine Pole Hills.